

International Journal of Primatology

The Official Journal of the International Primatological Society

The *International Journal of Primatology* is a multidisciplinary journal devoted to basic primatology, i.e., to studies in which the primate is featured as such. To this end, the journal brings together laboratory and field studies from such diverse disciplines as anatomy, anthropology, ethology, paleontology, psychology, sociology, and zoology. The journal publishes high-quality original articles, short articles, and reviews that have been carefully refereed by experts in the field, and also publishes book reviews. The journal aims to provide a forum for research workers and students in the field of fundamental primatology and to expedite communication between them and other scientists interested in nonhuman primates per se.

JOINT MANAGING EDITORS

G. A. Doyle
Primate Behaviour Research Group
University of the Witwatersrand
Johannesburg, South Africa

Matt Cartmill
Department of Anatomy
Duke University Medical Center
Durham, North Carolina

JOINT EDITORIAL COMMITTEE

Matt Cartmill, Duke University Medical Center, Durham, North Carolina
M. H. Day, St. Thomas's Hospital Medical School, London, England
G. A. Doyle, University of the Witwatersrand, Johannesburg, South Africa
J. Stephen Gartlan, University of Wisconsin, Madison, Wisconsin
William A. Mason, University of California, Davis, California
Allan M. Schrier, Brown University, Providence, Rhode Island
Orville A. Smith, University of Washington, Seattle, Washington

EDITORIAL BOARD

Craig F. Bielert, University of the Witwatersrand, Johannesburg, South Africa
Matt Cartmill, Duke University Medical Center, Durham, North Carolina
N. R. Chalmers, The Open University, Milton Keynes, England
P. Charles-Dominique, Muséum National d'Histoire Naturelle, Brunoy, France
David J. Chivers, University of Cambridge, Cambridge, England
T. H. Clutton-Brock, University of Cambridge, Cambridge, England
John H. Crook, University of Bristol, Bristol, England
M. H. Day, St. Thomas's Hospital Medical School, London, England
L. E. M. de Boer, Royal Rotterdam Zoological and Botanical Gardens, Rotterdam, The Netherlands
G. A. Doyle, University of the Witwatersrand, Johannesburg, South Africa
W. Richard Dukelow, Michigan State University, East Lansing, Michigan
J. Egozcue, Universidad Autonoma de Barcelona, Barcelona, Spain
J. Stephen Gartlan, University of Wisconsin, Madison, Wisconsin
Andrew G. Hendrickx, University of California, Davis, California
David Hewett-Emmett, University of Michigan, Ann Arbor, Michigan
C. M. Hladik, Muséum National d'Histoire Naturelle, Brunoy, France
R. Hoffstetter, Muséum National d'Histoire Naturelle, Paris, France
Junichiro Itani, Kyoto University, Kyoto, Japan
Clifford J. Jolly, New York University, New York, New York
Richard F. Kay, Duke University Medical Center, Durham, North Carolina
T. C. Anand Kumar, All India Institute of Medical Sciences, New Delhi, India
W. Patrick Luckett, Creighton University School of Medicine, Omaha, Nebraska
R. D. Martin, University College, London, England
William A. Mason, University of California, Davis, California
Holger Preuschoft, Ruhr Universität Bochum, Bochum-Querenburg, West Germany
Leonard A. Rosenblum, State University of New York Downstate Medical Center, Brooklyn, New York
Thelma Rowell, University of California, Berkeley, California
Duane M. Rumbaugh, Georgia State University, Atlanta, Georgia
G. P. Sackett, University of Washington, Seattle, Washington
Allan M. Schrier, Brown University, Providence, Rhode Island
Jeffrey H. Schwartz, University of Pittsburgh, Pittsburgh, Pennsylvania
Orville A. Smith, University of Washington, Seattle, Washington
Daniel R. Snyder, Yale University School of Medicine, New Haven, Connecticut
Robert W. Sussman, Washington University, St. Louis, Missouri
Ian Tattersall, The American Museum of Natural History, New York, New York
Russell H. Tuttle, The University of Chicago, Chicago, Illinois

International Journal of Primatology is published quarterly by Plenum Publishing Corporation, 233 Spring Street, New York, N.Y. 10013. Subscription orders should be addressed to the publisher. *International Journal of Primatology* is abstracted or indexed in Current Contents and Referativnyi Zhurnal. © 1980 Plenum Publishing Corporation. *International Journal of Primatology* participates in the program of Copyright Clearance Center, Inc. The appearance of a code line at the bottom of the first page of an article in this journal indicates the copyright owner's consent that copies of the article may be made for personal or internal use. However, this consent is given on the condition that the copier pay the stated per-copy fee through the Copyright Clearance Center, Inc. for all copying not explicitly permitted by Sections 107 or 108 of the U.S. Copyright Law. It does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale, nor to the reprinting of figures, tables, and text excerpts.

Subscription rates:

Volume 1, 1980 (4 issues) \$40.00 (outside the U.S., \$46.00). A special price is available to members of the International Primatological Society.

Volume 2, 1981 (4 issues) \$40.00 (outside the U.S., \$46.00). A special price is available to members of the International Primatological Society.

Printed in USA.

International Journal of Primatology is published quarterly by Plenum Publishing Corporation, 233 Spring Street, New York, N.Y. 10013. Subscription orders should be addressed to the publisher. *International Journal of Primatology* is abstracted or indexed in Current Contents and Referativnyi Zhurnal. © 1980 Plenum Publishing Corporation. *International Journal of Primatology* participates in the program of Copyright Clearance Center, Inc. The appearance of a code line at the bottom of the first page of an article in this journal indicates the copyright owner's consent that copies of the article may be made for personal or internal use. However, this consent is given on the condition that the copier pay the stated per-copy fee through the Copyright Clearance Center, Inc. for all copying not explicitly permitted by Sections 107 or 108 of the U.S. Copyright Law. It does not extend to other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale, nor to the reprinting of figures, tables, and text excerpts.

International Journal of Primatology

Vol. 1, No. 1

March 1980

CONTENTS

Introductory Statement	1
XY Gonadal Dysgenesis in a Chacma Baboon (<i>Papio ursinus</i>) <i>C. Bielert, R. Bernstein, G. B. Simon, and L. A. van der Walt</i>	3
Galactose-1-phosphate Uridyltransferase of Lemurs: A Comparison of Four Species <i>George A. Mason, Dianne M. Frazier, and Fred C. Kull, Jr.</i>	15
The Ecology of Oligocene African Anthropoidea <i>Richard F. Kay and Elwyn L. Simons</i>	21
Social Behavior of Captive, Group-Living Orang-utans <i>Sara D. Edwards and Charles T. Snowdon</i>	39
Heterosexual Interactions of Pairs of Laboratory-Housed Stumptail Macaques (<i>Macaca arctoides</i>) Under Continuous Observation with Closed-Circuit Video Recording <i>A. Koos Slob and Kees Nieuwenhuijsen</i>	63
Chromosomes of Lemuriformes. VI. Comparative Karyology of <i>Lemur fulvus</i> : A G-Banded Karyotype of <i>Lemur fulvus</i> <i>mayottensis</i> (Schlegel 1866) <i>Andrew E. Hamilton, Ian Tattersall, Robert Sussman, and John</i> <i>Buettner-Janusch</i>	81
SHORT ARTICLE	
Monogamy in Callitrichids: A Consequence of Phyletic Dwarfism? <i>Walter Leutenegger</i>	95
Book Review: <i>Nursery Care of Nonhuman Primates</i>	99
Book Review: <i>Primate Ecology: Problem-Oriented Field Studies</i>	101

International Journal of Primatology

Vol. 1, No. 2

June 1980

CONTENTS

- Acacia* Gum and Its Use by Bushbabies, *Galago senegalensis*
(Primates: Lorisidae) 103
S. K. Bearder and R. D. Martin
- Puberty in the Male Owl Monkey (*Aotus trivirgatus griseimembra*):
A Study of Physical and Hormonal Development 129
A. F. Dixson, J. S. Gardner, and R. C. Bonney
- Latitudinal, Taxonomic, Sexual, and Insular Determinants
of Size Variation in Pigtail Macaques, *Macaca*
nemestrina 141
Gene H. Albrecht
- Early Agonistic Experience and Rank Acquisition Among
Free-Ranging Infant Rhesus Monkeys 153
C. M. Berman
- Social Influences on First Reproductive Success and Related
Behaviors in the Saddle-Back Tamarin
(*Saguinus fuscicollis*, Callitrichidae) 171
Gisela Eppele and Yair Katz
- Locomotor Behavior and Feeding Ecology of the Panamanian
Tamarin (*Saguinus oedipus geoffroyi*, Callitrichidae,
Primates) 185
Paul A. Garber
-

International Journal of Primatology

Vol. 1, No. 3

September 1980

CONTENTS

- Characteristics of a Gibbon–Siamang Hybrid Ape 203
Joan R. Wolkin and Richard H. Myers
- Chromosomal Variation and Zoogeography in *Ateles* 223
Louis M. Kunkel, Paul G. Heltne, and Digamber S. Borgaonkar
- Intermale Relations and Troop Male Membership Changes in
Langurs (*Presbytis entellus*) in Nepal 233
Jane Boggess
- Toothcomb Homology and Toothcomb Function in Extant
Strepsirhines 275
Robert H. Eaglen
- Dyadic Spatial Relationships in Pigtail and Stumptail Macaques:
A Multiple Regression Analysis 287
Ronald M. Weigel
-

International Journal of Primatology

Vol. 1, No. 4

December 1980

CONTENTS

Species Differences in the Interest Shown in Infants by Juvenile Female Macaques (<i>Macaca radiata</i> and <i>M. mulatta</i>) <i>Nancy G. Caine and G. Mitchell</i>	323
The Homologies of the Lorisoid Internal Carotid Artery System <i>H. Butler</i>	333
Multiple Classification Performance of Juvenile Chimpanzees, Normal Children, and Retarded Children <i>Anthony D. Hall, John T. Braggio, James P. Buchanan, Ronald D. Nadler, David Karan, and J. Bob Sams</i>	345
The Behavior of Wild Spectral Tarsiers <i>John MacKinnon and Kathy MacKinnon</i>	361
Territorial Behavior in the Agile Gibbon <i>S. P. Gittins</i>	381
The Brief Survival of Free-Ranging Baboon Infants (<i>Papio cynocephalus</i>) After Separation from Their Mothers <i>Ramon J. Rhine, Guy W. Norton, William J. Roertgen, and Henry D. Klein</i>	401
Book Review: <i>Evolutionary History of the Primates</i>	411
